Globalsat RV-1000S HD

User Manual

2011/09/21 V.1.0

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Notice

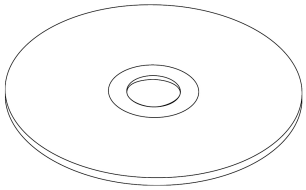
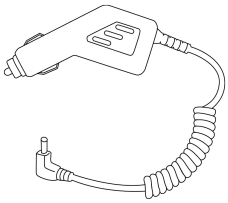
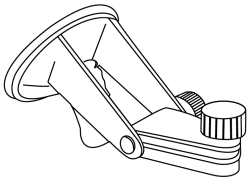
1. Before supplying power to the device, please first start the engine of car. It can prevent sudden electrical surge damage device or car charger.
2. Before installing or removing micro SD card, please power off the device. It might damage the SD card or device by installing or removing SD card in power-on status.
3. For avoid of dropping the device, do fix the main unit by the specific car holder.
4. Never let this device expose to the humid environment or rain as the water leaked into could disable it to the extent beyond reparation.
5. The material of case is plastic. Keep it away from sharp objects.
6. Please only use the Globalsat specific car charger to charge the device.
7. Power off the device before cleaning it. Clean the camera lens by soft cloth. Do not clean this device with liquid cleanser.
8. Do not expose the device in the environments of high temperature.
9. The warranty would be invalid if you dissemble the device yourself or by unauthorized dealer.
10. Please take down the device from car holder and loosen the suction hook to prevent the hook from hardened.

    Only the main unit is included in warranty. The car holder and car charger cable is not included in warranty.

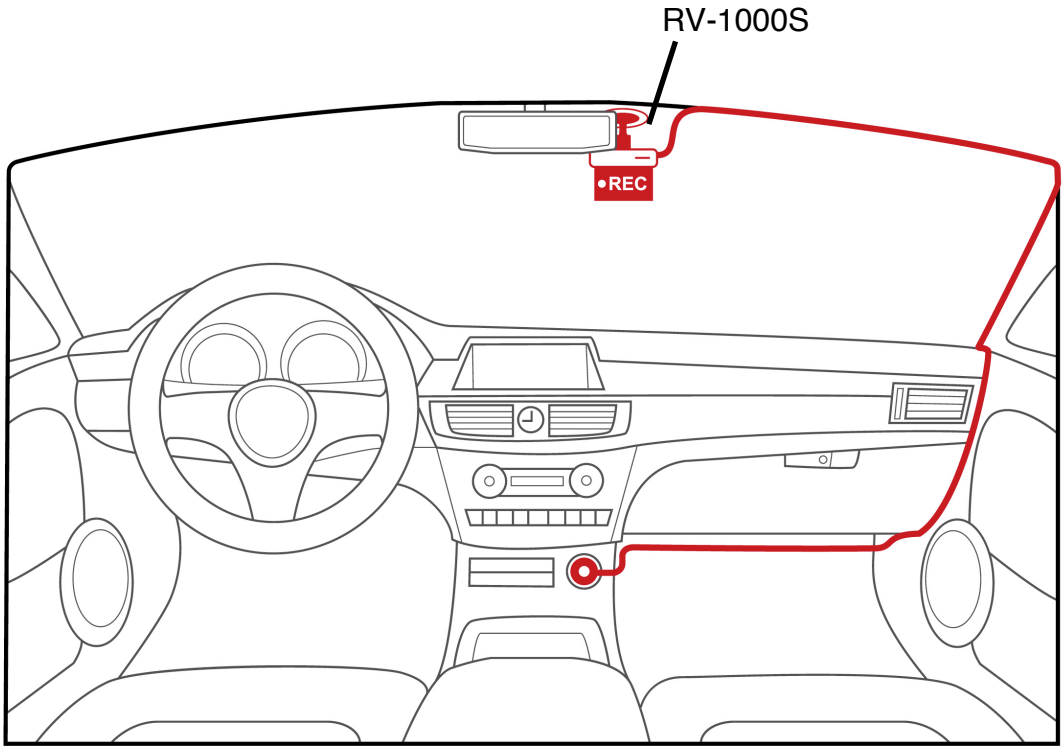
01. Product specifications

Item	Description
Image component	CMOS shot; able to view the angle of 120 degree
Image Format	1280 x 720 Pixels MJPG 30fps， The output format is AVI
Memory card slot	Compatible with Micro SD card (It is suggested to use the memory card higher than Class 6)
GPS chipset	SiRF Star IV
G-Sensor	3-axis motion sensor
Input Power	DC 5V / 1A
Event Recording	Start by detection of G-Sensor, or manually start
USB	For charging
Microphone	For recording function
Display	2.5” LCD
AV Output	NTSC / PAL (AV output terminal)
Dimension	98 mm X 71.55 mm X 21 mm (not include car holder)
Weight	120 g

02. Package content

 RV-1000S	 CD-ROM (user manual, video player software)
 Car charger(DC 5V / 1A Mini USB)	 User Manual
 RV-1000S Car Holder	 Memory Card (Micro-SD) (Optional)

03. Suggested Installation Position

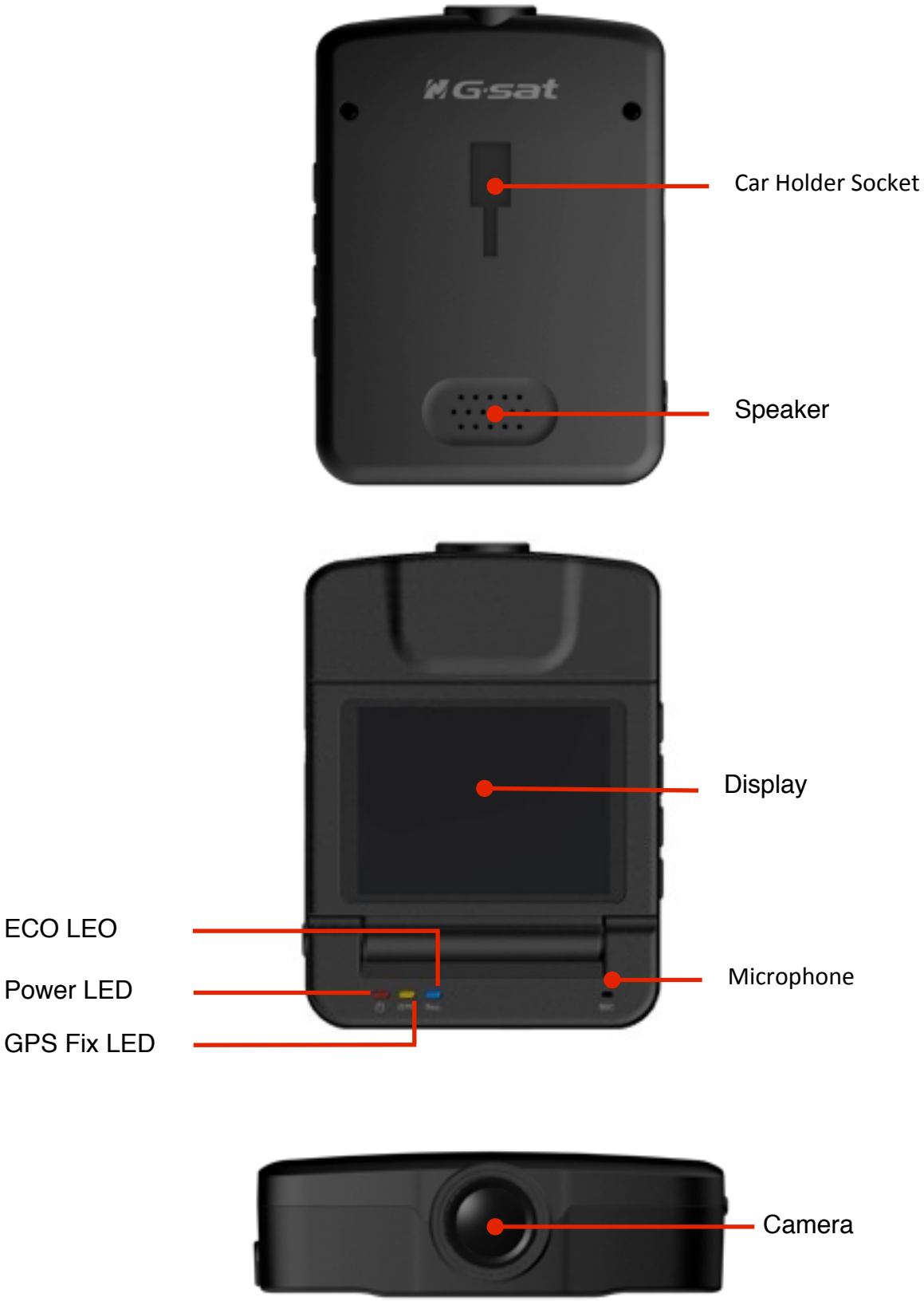


Suggested installation Position

Suggested recording angle

Please adjust the recording angle according to your own car. The suggested installation and recording angle is only for reference.

04. Device description



Mini USB Port(Socket for in-car charger)

Micro SD card slot

AV-Out

05. Description of screen and function keys

Icons on Upper Display：

ICON	Descriotion	ICON	Descriotion
	Recording		Charging
	GPS fixed		No GPS fix
	Manually turn on protecting the file		Turn off recording
	Turn on protecting the file by G-Sensor		

05-1. Screen of power-on：

05-2. Function Key :

Function Key	Function
	1. Short press this key to power on device in power-off status. Long press this key for 3 seconds to power off device in power-on status. 2. In power-on status, short click this key would enter main menu. Please do it while car is stopped or in the safe location, because entering main menu would stop recording and functions of operation menu. You could exit main menu by press this key again and then start recording.
	1. While recording, short press this key to stop recording. The icon of would be shown on screen. You could start recording by short pressing this key again. 2. In the item of “playing video, click this key to scroll up to the last video. 3. While playing video, go back to the earlier duration of video by pressing this key. 4. In main menu and submenu, click this key to scroll up the items of menu.
	1. While recording, short press this key to enter the menu of video file list. 2. In the menu of video list, short click this key play the selected video. 3. In menu and submenu, press this key to enter the selected item
	1. While recording, short press this key to protect the presently recording file, not be over-written by cycle recording. The protected file could only be deleted by software. 2. While playing video, go to the later duration of video by pressing this key. 3. In main menu and submenu, click this key to scroll down the items of men

05-3. Screen of main menu

In power-on status, short press

key would enter main menu. There are 11 items of setting.

05-4. Setting description :

05-4-01. Time Setting :

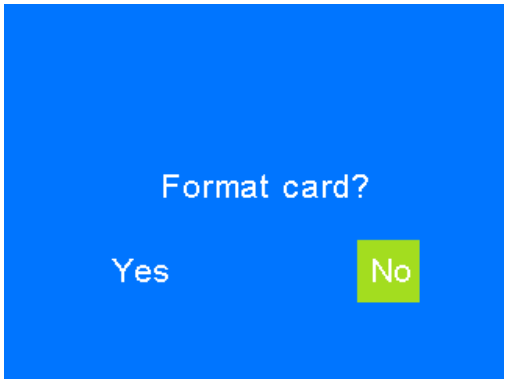
Device would show the local time of selling area and time would be adjusted after getting a GPS fix.

You could change the date and time by ▲ ▼ keys. And then press ↵ to check the setting.

05-4-02. Timezone Setting :

You could change the time zone by ▲ ▼ keys. And then press ↵ to check the setting.

05-4-03. Format Memory Card :



Device would ask do you want to format memory card. You could do it or not time by ▲ ▼ keys. And then press ↵ to check the setting.

All the stored data would be deleted after the formatting the memory card.

05-4-04. TV-Out

You could choose the AV Output format by ▲ ▼ keys. And then press ↵ to check the setting.

Note：
The format of AV output in most part of Asian area and all American area is NTSC.
The format of AV output in European area is PAL.
For details, please refer to the manual of TV or display.

05-4-05. Remind Tone：

You could turn on or turn off the remind tone by ▲ ▼ keys. And then press ↵ to check the setting. The default is On. The device would be mute if you select Off in this item.

05-4-06. Audio Recording :

You could turn on or turn off recording by ▲ ▼ keys. And then press ↵ to check the setting.
The default is On. The device would not record sound if you select Off in this item.

05-4-07. Over Speed Alarm :

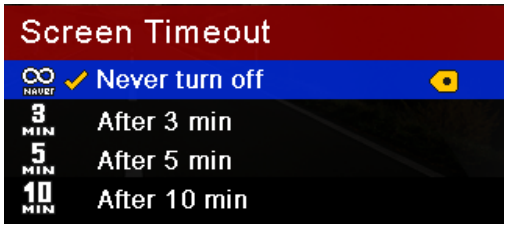
You could turn on or turn off the Over Speed Alarm by ▲ ▼ keys. And then press ↵ to check the setting. The default is On. The device would be mute if you select Off in this item.

Note : Speed Camera Data By Optional.

05-4-08. Language：

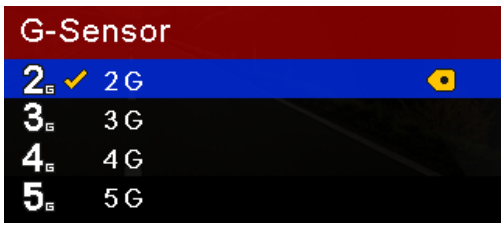
You could select the displayed language by ▲ ▼ keys. And then press ↵ to check the setting.

05-4-09. Screen Timeout：



You could select the screen timeout setting while device is operating by ▲ ▼ keys. And then press ↵ to check the setting.

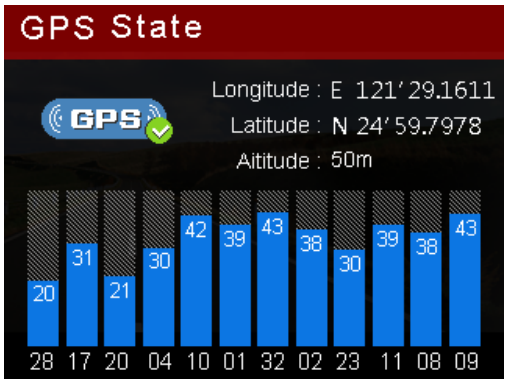
05-4-10. Gravity sensitivity



You could set gravity sensitivity to protect the recording not be over-written by cycle recording. You could set the value by ▲ ▼ keys. And then press ↵ to check the setting.

X axis：Record the gravity change between left and right
Y axis：Record the gravity change between forth and backward
Z axis：Record the gravity change between up and down

05-4-11. GPS Status



GPS indicates gets GPS fix.
GPS indicates trying to get GPS fix.
If the device could not get GPS fix in the area with open sky, please reset device by ▼ key. And then return to Setting menu by ↵ key.

GPS status would be influenced by the environments. The metal material in the window film might influence the GPS signal.

06. LED:

There are 3 LED indicate power, GPS status and recording status.

06-1. Power LED：

It is off in power-off status. It is red when battery power is low. It is orange when device is charging.

06-2. GPS LED：

It keeps on when device does not get GPS fix. It would flash after a GPS fix.

06-3. Recording (Rec) LED：

It keeps on when device is recording. It would be off when device is not recording.

07. Troubleshooting:

If the following problems occur, please refer to the solution below. If the solution does not work, do not fix the device yourself or by unauthorized dealer. Please send the device to authorized dealer for maintenance.

Problem	Solution
Fail to power on device	Please check if the power LED on device and the convertor of car charger is on. And then please press the power key again. If the power LED of convertor is not on, please check if the fuse of convertor is normal.
Micro SD	Please use the memory card higher than class 6 and the size must be over 8 G.
Memory card format reminder	If you insert a new memory card into device, device would remind you that it will format the memory card. The new memory card could be used for saving recording file after it is format. You could also format or protect the memory card by playing program.